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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><br>(USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO.<br>FS.20133US0A | APPLICATION NO.<br><del>Unknown</del><br>10/814,412 |
|   | APPLICANT<br>Goichi Katayama     |   |
|   | FILING DATE<br>Herewith          | GROUP<br><del>Unknown</del><br>3717                 |

| U.S. PATENT DOCUMENTS |    |                 |          |                  |       |          |                                 |
|-----------------------|----|-----------------|----------|------------------|-------|----------|---------------------------------|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
| mm                    | 1  | 5,279,267       | 1/18/94  | Takahashi et al. | ✓     |          |                                 |
|                       | 2  | 5,476,402       | 12/19/95 | Nakai et al.     | ✓     |          |                                 |
|                       | 3  | 5,630,386       | 5/20/97  | Uchida           | ✓     |          |                                 |
|                       | 4  | 5,713,771       | 2/3/98   | Takahashi et al. | ✓     |          |                                 |
|                       | 5  | 5,941,205       | 8/24/99  | Hiraoka et al.   | ✓     |          |                                 |
|                       | 6  | 6,109,231       | 8/29/00  | Watanabe et al.  | ✓     |          |                                 |
|                       | 7  | 6,142,842       | 11/7/00  | Watanabe et al.  | ✓     |          |                                 |
|                       | 8  | 6,298,815       | 10/9/01  | Kashima et al.   | ✓     |          |                                 |
|                       | 9  | 6,321,720       | 11/27/01 | Kashima          | ✓     |          |                                 |
|                       | 10 | 6,346,018       | 2/12/02  | Watanabe         | ✓     |          |                                 |
|                       | 11 | 6,450,847       | 9/17/02  | Kashima et al.   | ✓     |          |                                 |
| ✓                     | 12 | 6,588,388       | 7/8/03   | Watanabe et al.  | ✓     |          |                                 |

| FOREIGN PATENT DOCUMENTS |    |                 |          |                             |       |          |             |    |
|--------------------------|----|-----------------|----------|-----------------------------|-------|----------|-------------|----|
| EXAMINER<br>INITIAL      |    | DOCUMENT NUMBER | DATE     | COUNTRY                     | CLASS | SUBCLASS | TRANSLATION |    |
|                          |    |                 |          |                             |       |          | YES         | NO |
| mm                       | 13 | 07-077059 ✓     | 3/20/95  | Japan-English abstract only | ✓     |          |             |    |
|                          | 14 | 09-042088 ✓     | 2/10/97  | Japan-English abstract only | ✓     |          |             |    |
|                          | 15 | 09-324653 ✓     | 12/16/97 | Japan-English abstract only | ✓     |          |             |    |
|                          | 16 | 10-002230 ✓     | 1/6/98   | Japan-English abstract only | ✓     |          |             |    |
|                          | 17 | 10-061446 ✓     | 3/3/98   | Japan-English abstract only | ✓     |          |             |    |
|                          | 18 | 10-297590 ✓     | 11/10/98 | Japan-English abstract only | ✓     |          |             |    |
|                          | 19 | 2003-182674 ✓   | 7/3/03   | Japan-English abstract only | ✓     |          |             |    |
| ✓                        | 20 | 09-189233 ✓     | 7/22/97  | Japan-English abstract only | ✓     |          |             |    |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
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|                     | 21   |  |
|                     | 22   |  |

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| EXAMINER   | m. mcmation | DATE CONSIDERED | 11/12/04 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |             |                 |          |